

40/90/140/180 KVA AC Ground Power Unit



ISO 9001 : 2008 Company



VICTORY GSE

A DIVISION OF VICTORY SALVAGE INC.



- Highly reliable Deutz / Cummins / Detroit Diesel / Equivalent Diesel Engines.
- Digital System - PLC based
 - Field tested proven system.
 - Ensured safety to Aircraft.
 - Operations through GUI touch screen
 - Total Digital Monitoring of engine and output parameters.
- Remote fault Diagnosis - Standard Scope.
- Meets latest EPA norms.
- Walk Away - Protection and Control (Unattended Operation)
- Low Noise level.
- Meets MIL and ARP Standards.
- Online tracking / monitoring system (Optional)

The most reliable Aircraft GSE on earth from AIR+MAK

Rated Output : 40/ 90 / 140 / 180 KVA at 0.8 PF Lagging

Engine : Deutz / Cummins / Detroit Diesel / Equivalent diesel engine

Alternator : MAK / Equivalent brushless, 3 phase, constant voltage alternator with built in AVR.

Insulation : Class F / H

AC OUTPUT

Power : 40 / 90 / 140 / 180 KVA at 0.8 pf lagging, 3 phase 4 wire system.

Voltage : 115V (Line to Neutral) and 200V (Line to Line).

Voltage unbalance : a. 1% at balanced load.
b. Within 4% with 1/3rd load on one phase with two other phases unloaded.

Voltage regulation : $\pm 1\%$

Voltage modulation : $\pm 0.5\%$

Voltage transient : $\pm 20\%$ and $\pm 1\%$ of steady state value recovery within 150 milli seconds.

Phase difference : $120 \pm 1.50^\circ$

Frequency : 400 Hz

Freq. regulation : $\pm 1\%$

Freq. modulation : $\pm 0.25\%$

Freq. transient : 382 to 417 Hz, $\pm 1\%$ of steady state value recovery within 2 seconds.

Crest Factor : 1.41 ± 0.07

Total harmonic content : Within 2%

Monitoring

Following parameters are displayed through GUI touch screen.

- Engine Lube oil pressure
- Engine Coolant temperature
- Engine RPM
- Fuel Level
- Engine Hours run
- Battery voltage
- Output voltage
- Output frequency
- Load current

PROTECTIONS

A. For Engine

- Low lube oil pressure shutdown
- High coolant temperature shutdown
- Over speed shutdown
- Low fuel shutdown
- Charge fail (only indication)

B. For Output

- Under voltage trip
- Over voltage trip
- Over load trip
- Neutral open trip
- Phase rotation trip
- Under frequency shutdown
- Over frequency shutdown

OTHER COMBINATIONS (Both on Diesel & A.C. Motor Driven)

☞ 40 KVA AC or AC & DC

☞ 140 KVA AC or AC & DC

☞ 60 KVA AC or AC & DC

☞ 180 KVA AC or AC & DC

☞ 90 KVA AC or AC & DC

** Due to continuous development, the dimensions, layout, configuration and specifications are subject to change without notice.*

Note : For more details, Please contact us.

VICTORY GSE

8211 S. ALAMEDA ST. LOS ANGELES, CA 90001

TEL: 323 - 581 - 7272

EMAIL: JAMEY@VICTORYGSE.COM

www.victorygse.business